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NOTICE OF ALLOWANCE AND FEE(S) DUE

22917

7590

06/17/2003

MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL 60196 LE, LANA N

ART UNIT CLASS-SUBCLASS

455-452000

DATE MAILED: 06/17/2003

2685

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,731	12/14/2001	Timothy A. Thomas	CR00300M	8817

TITLE OF INVENTION: METHOD AND SYSTEM FOR ADAPTIVE CHANNEL ESTIMATION TECHNIQUES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	09/17/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT, SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

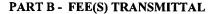
- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
Alexandria, Virginia 22313-1450

(703)746-4000 <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as

indicated unless corrected maintenance fee notificati	below or directed otherv	vise in Block 1, by (a) sp	pecifying a new c	orrespondence add	ress; and/or (b) indicating a sepa	rate "FEE ADDRESS" fo	
CURRENT CORRESPONDE	7590 06/17/200		Block 1)	Note: A certifica Fee(s) Transmi accompanying p formal drawing,	ate of mailing can only be used fo ittal. This certificate cannot leaders. Each additional paper, so must have its own certificate of m	r domestic mailings of the be used for any other uch as an assignment or nailing or transmission.	
1303 EAST ALG IL01/3RD SCHAUMBURG		•		I hereby certify United States Po envelope addres transmitted to th	Certificate of Mailing or Trans that this Fee(s) Transmittal is stal Service with sufficient postay sed to the Box Issue Fee address e USPTO, on the date indicated by	being deposited with the ge for first class mail in an above, or being facsimile	
	•	,				(Depositor's name	
				-		(Signature	
						. (Date	
APPLICATION NO.	FILING DATE	FIR	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/017,731	12/14/2001		Timothy A. Thom	as	CR00300M	8817	
TITLE OF INVENTION:	METHOD AND SYSTEM	I FOR ADAPTIVE CHA	NNEL ESTIMATI	ON TECHNIQUE	s		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBL	ICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1300		\$300	\$1600	09/17/2003	
EXAM	INER	ART UNIT	CLASS-SUBC	LASS			
LE, LA	NA N	2685	455-45200	00			
Address form PTO/SB/ U "Fee Address" indica PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN.	tion (or "Fee Address" Indoor more recent) attached. D RESIDENCE DATA To an assignee is identified to the USPTO or is being EE	dication form Use of a Customer O BE PRINTED ON THE pelow, no assignee data was submitted under separate (B) RI	or agents OR, single firm (ha attorney or ag registered pater is listed, no nan E PATENT (print of the cover. Completic ESIDENCE: (CITY)	patent. Inclusion o on of this form is N and STATE OR	the name of a er a registered less of up to 2 nts. If no name 3		
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			A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.				
			The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to				
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other than the applicant; interest as shown by the r	nd Publication Fee (if rec a registered attorney or ecords of the United State	quired) will not be accep agent; or the assignee of s Patent and Trademark O	ted from anyone or other party in ffice.	•		٠.	
obtain or retain a benefit application. Confidentiali estimated to take 12 min completed application for case. Any comments or suggestions for reducing Patent and Trademark 22313-1450. DO NOT SEND TO: Commissione Under the Paperwork R	ation is required by 37 C. by the public which is t ty is governed by 35 U.S. outes to complete, including rm to the USPTO. Time of the amount of time you this burden, should be se Office, U.S. Department SEND FEES OR COMP of presents, Alexandria, eduction Act of 1995, n	no file (and by the USPT C. 122 and 37 CFR 1.14." g gathering, preparing, ar will vary depending up ou require to complete tent to the Chief Informatint of Commerce. Alex PLETED FORMS TO TVIrginia 22313-1450.	O to process) an This collection is id submitting the on the individual his form and/or ion Officer, U.S. andria, Virginia HIS ADDRESS.	,			
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/017,731	12/14/2001	Timothy A. Thomas	CR00300M 881	
22917 75	90 . 06/17/2003		EXAMIN	ER
MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD			LE, LANA N	
IL01/3RD	·		ART UNIT	PAPER NUMBER
SCHAUMBURG,	IL 60196		2685 DATE MAILED: 06/17/2003	5

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 28 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 28 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



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APPLICATION NO.	F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,731		12/14/2001	Timothy A. Thomas	CR00300M 8817	
22917	7590	06/17/2003		EXAMIN	ER
MOTOROLA	, INC.	•		LE, LAN	AN
1303 EAST AL	GONOUI	N ROAD			
IL01/3RD	`			ART UNIT	PAPER NUMBER
SCHAUMBUR	SCHAUMBURG, IL 60196			2685	
				DATE MAIL ED: 06/17/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003: Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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	Application No.	Applicant(s)					
Nation of Allowatility	10/017,731	THOMAS ET AL.					
Notice of Allowability	Examiner	Art Unit					
	Lana Le	2685					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.							
1. This communication is responsive to <u>04/08/03</u> .							
2. The allowed claim(s) is/are <u>29-36</u> .							
3. The drawings filed on <u>14 December 2001</u> are accepted by							
 4. ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: 	ler 35 U.S.C. § 119(a)-(d) or (f).						
1. Certified copies of the priority documents have	been received.						
2. Certified copies of the priority documents have	been received in Application No	·					
3. Copies of the certified copies of the priority do							
International Bureau (PCT Rule 17.2(a)).		3pp					
* Certified copies not received:							
5. Acknowledgment is made of a claim for domestic priority un	nder 35 U.S.C. § 119(e) (to a provisi	onal application).					
(a) The translation of the foreign language provisional a		,					
6. Acknowledgment is made of a claim for domestic priority un	nder 35 U.S.C. §§ 120 and/or 121.						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE 7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.							
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No 	son's Patent Drawing Review (PTO-	948) attached					
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the Examiner.							
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No							
Identifying indicia such as the application number (see 37 CFR 1 each sheet.	.84(c)) should be written on the drawir	ngs in the front (not the back) of					
9. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT FOR T	sit of BIOLOGICAL MATERIAL n HE DEPOSIT OF BIOLOGICAL MA	nust be submitted. Note the TERIAL.					
Attachment(s)							
 1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☐ Information Disclosure Statements (PTO-1449), Paper No. 2. 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4☐ Interview Summa 6☐ Examiner's Ame	al Patent Application (PTO-152) ary (PTO-413), Paper No adment/Comment ement of Reasons for Allowance					

Application/Control Number: 10/017,731

Art Unit: 2685

REASON FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Newly added claims 29-36 contain allowable subject matter in the objected dependent claims in the previous office action as stated in applicant's remarks filed 04/08/03, pages 1-6, paper # 4.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lana Le whose telephone number is (703) 308-5836. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (703) 305-4385. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9315 for After Final communications.

Art Unit: 2685

Page 3

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4750.

Lana Le

June 7, 2003

EDWARD F. URBAN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600

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